Proposed Nevada Mercury Air Emissions Control Program

MERCURY MONITORING, TESTING & RECORD KEEPING

EXAMPLE LOG SHEETS

The following log sheets are examples of what they may look like for each type of mercury control. Each operator would be responsible for developing his or her own log sheet based on site specifics.

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Mercury Retorts MM/YYYY

MM/YY Date	Hours	<u>Peak</u>	Condenser	<u>▲ P</u>	Carbon	Change
Dute	Run	<u>Temp</u>	Water		Y/N	Pounds
	1011	101115	Temp		2/11	1 0 0 11 0 0
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Notes:	 	 	

Carbon Change Out Plan Hypothetical Example

EXAMPLE FOR CARBON FILTER AT RETORTS:

Monthly Mercury Production: 500 pounds Condenser Removal Efficiency 99%

Monthly Mercury Reporting to Carbon Filter

Carbon Filter Material Weight

Carbon Filter Capacity for Mercury

5.05 pounds
100 pounds
10% or 10 pounds

Carbon Change out Frequency 10/5.05=1.98 months or every 59 days

Conservative Carbon Change Out Frequency Every 7 weeks (49 days)

Carbon would be analyzed after change out to verify it did not exceed 10 pounds of mercury

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Carbon Kiln	WORKING DRAFT

Date	Hours	Avg	<u>Tons</u>	Scrubber	<u>▲P</u>	Carbon	Change	<u>Hypochlorite</u>
	Run	<u>Temp</u>	Regenerated	Water Temp		<u>Y/N</u>	Pounds	Concentration
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Notes:	 	 	

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Roas	te	r		
MM/	Y	Y	Y	Y

1st 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Date	Hours Run	ESP Voltage	Scrubber Temp	Mercurous Chloride Concentration	▲P	Hypochlorite Concentration
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	1ct				Concentration		
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4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29	3						
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6	5						
7 8 9 10 11 11 12 13 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29	6						
8 9 10 11 11 12 13 14 15 16 17 18 19 9 20 21 22 23 24 25 26 27 28 29	7						
9							
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Notes:			

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Roaster Pre-heaters

MM/YYYY

Run Temp 1st 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31	Date Date	Hours	Scrubber	<u>▲P</u>	<u>pH</u>
1st 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					-
2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1st				
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	2				
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	3				
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	4				
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	5				
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					
9 10 11 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	7				
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	8				
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	9				
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	10				
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	11				
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	14				
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18 19 20 21 22 23 24 25 26 27 28 29 30					
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Notes:			

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Autoclaves MM/YYYY

Hours Run

<u>Date</u>

1st 2 3 Scrubber

Flowrate

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WORKING DRAFT

Electrowinning Preg and Barren Tanks							
MM/YY							
<u>Date</u>	Hours	Carbon	Change				
	Run	Y/N	<u>Pounds</u>				
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Notes:			

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Furnaces
MM/YYYY

Date Date	Hours	Scrubber	<u>▲ P</u>	Carbon	Change	Change	Baghouse	
	Run	Water		Y/N	Pounds	<u>Pounds</u>	<u>A</u> P	
		Temp						
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Notes:				
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Each operator would be responsible for developing its own log sheet based on site specifics.

Chemical Treatment

WORKING DRAFT

MM/YYYY					WORKING DRAFT				
Date Date	Heap Pounds Added	Leach Mercury Conc	Mill Pounds Added	Circuit Mercury Conc	CIL Pounds Added	Circuit Mercury Conc	Other Pounds Added	Mercury Conc	
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